"Real-time Attribute Processor and Syntax Schema for

Directory Access Protocol Services"

ABSTRACT OF THE DISCLOSURE

[0097]   A processor which cooperates with directory servers to handle requests for

5   values of dynamic attributes which would otherwise present a real-time processing

challenge to the directory server due to the server's dependence on the data normally

being static in nature. Special schema syntax identifiers are used to identify dynamic

attributes which then are not stored directly in the directory, but whose values are

resolved at the time a read request is made for those attributes. This approach eliminates

10   the need to store the dynamic information in the directory, and allows user-supplied

modules to perform the resolution of the dynamic attributes in a real-time manner,

including not only retrieving a value from a dynamic data source, but optionally

performing calculations or manipulations on the data as well. One embodiment of the

invention cooperates with Lightweight Directory Access Protocol ("LDAP") directory

15   servers.